BILL NO. S-83-05-11

SPECIAL ORDINANCE NO. S-97-83

AN ORDINANCE approving Change Order No. 3 and FINAL, Resolution 323-80, "Spy Run Interconnect", Project No. C-180599-07, with Waynesfield Construction, Inc., in connection with the Board of Public Works.

NOW, THEREFORE BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That Change Order No. 3 and FINAL, "Spy Run Interconnect", Resolution 323-80, Project No. C-180599-07, with Waynesfield Construction, Inc., in connection with the Board of Public Works, for:

close out change order to adjust the estimated quantities in the contract unit price to agree with actual quantities installed under this project;

involving a net increase in the amount of Sixteen Thousand Two Hundred Forty-Eight and 32/100 ($16,248.32) all as more particularly set forth in the specifications, and which is on file with the Office of the Board of Public Works, and is by reference incorporated herein, made a part hereof and is hereby in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.

Victure L Scrugg
Councilmember

APPROVED AS TO FORM
AND LEGALITY

Bruce O. Boxberger, City Attorney

Read the first time in full and on motion by Scruggs, seconded by DeGiuseppe, and duly adopted, read the second time by title and referred to the Committee City Utilities (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, the _____ day of _____, 19___, at _____ o'clock ___.M.,E.S.T.

DATE: 5-10-83 Nadine Eisbart acting CITY CLERK

Read the third time in full and on motion by Scruggs, seconded by DeGiuseppe, and duly adopted, placed on its passage. PASSED (~~LOST~~) by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
TOTAL VOTES	9				
BRADBURY	—				
BURNS	—				
EISBART	—				
GiaQUINTA	—				
SCHMIDT	—				
SCHOMBURG	—				
SCRUGGS	—				
STIER	—				
TALARICO	—				

DATE: 5-24-83. Sandra E. Kennedy - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (~~ZONING MAP~~) (GENERAL) (ANNEXATION) (SPECIAL) (APPROPRIATION) ORDINANCE (~~RESOLUTION~~) NO. S-97-83.

on the 24th day of May, 1983.

ATTEST: Sandra E. Kennedy CITY CLERK

(~~SEAL~~) Ray A. Talarico PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 25th day of May, 1983, at the hour of 11:30 o'clock A.M.,E.S.T.

Sandra E. Kennedy CITY CLERK

Approved and signed by me this 26th day of May 1983, at the hour of 9 o'clock A.M.,E.S.T.

WIN MOSES, JR. - MAYOR

CHANGE ORDER

Change Order No. 3 and FINAL
Project No. C-180599-07
Name of Project: "Spy Run Interconnect"

Resolution No. 323-80
Board Order No. 16-80
Date: 4/15/83

73-14-11
4/20/83

To: Waynesfield Construction, Inc.
(Contractor)

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Quantity	Description of Change Description	Unit Price	Change in Contract Price Decrease	Increase
		SEE ATTACHED			
			Total Decrease	33,017.05	
			Total Increase		49,265.37
			Net ~~(Decrease)~~ (Increase) Contract Price		16,248.32

The sum of $ 16,248.32 is hereby (added to) (~~deducted from~~) the total contract price and the final contract price shall be adjusted as follows:

Original Contract Price	$ 1,099,410.00
Current Contract Price Adjusted by Previous Change Order	$ 1,140,406.65
New Contract Price including this Change Order	$ 1,156,654.97

+5.2%

The time provided for completion in the contract for this project is (unchanged) (~~increased~~) (~~decreased~~) by -0- calendar days due to this Change Order. The date for completion of all work shall be N/A. Furthermore, this document shall become an amendment to the contract and all provisions of the contract shall apply hereto.

Recommended by: [signature] Chief Engineer Date 4/15/83

Accepted by: [signature] Pres. Contractor Date 3/25/83

Approved by: [signature] City Engineer Date 4/18/83

Approved by: [signature] Owner Date 4-20-83

[signature]

[signature]

Attested by: [signature] Clerk Date 4-20-83

Change Order No. 3 and FINAL

Resolution No. 323-80

Board Order No. 16-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change:

SEE ATTACHED JUSTIFICATION

2. Will proposed change alter size of the project? Yes _____ No X

If yes, explain

3. Affect on operation and maintenance cost of this project:

N/A

Gregory J. Merrill 3-31-83

Gregory J. Merrill, Project Engineer

Spy Run Study Area C-180599-07 - B.O. 16-80
Resolution 323-80 "Interconnect"
Waynesfield, Inc., Contractor

Item No.	Quantity	Description of Change Description	Unit Price	Change in Contract Price Decrease	Increase
1	155.0 LF	48" RCP Class II	70.00		10,850.00
2	(65.0)LF	48" RCP Class III	105.00	6,825.00	
3	3.0 LF	48" RCP Class IV	130.00		390.00
4	(1.0)LF	38" x 60" RCP HE III	128.00	128.00	
6	(1.0)EA	Std. MH Type II-J (84")	3,620.00	3,620.00	
10	(301.0)CY	Special Backfill	5.60	1,685.60	
11	(490.0)CY	#53 or #73 Special Backfill	10.40	5,096.00	
15	8.0 LF	Tunneling Clinton Street	520.00		4,160.00
16	(161.0)SY	7" Plain Concrete pavement	17.60	2,833.60	
16*	237.727 SY	7" Plain Concrete pavement	17.60		4,184.00
17	(0.7)SY	Concrete Curb Type III-A	3.25	2.27	
18	(20.6) SY	Concrete (Driveways)	24.00	494.40	
19	(448.3) SF	4" Concrete Sidewalks	1.60	717.28	
20	(31.8) Tn	HAC Base 440 #/SYD	25.50	810.90	
21	65 Tn	HAC Surface 330 #/SYD	28.50		1,852.50
22	156.67 Tn	HAC Surface 220 #/SYD	31.00		5,135.77
23	3000.0 SY	Seeding and 1" Mulch	0.50		1,500.00
25	(600.0) LF	Dewatering	1.00	600.00	

*Non-Grant Eligible

Total Decrease		
Total Increase	CONTINUED	NEXT PAGE
Net (Decrease)(Increase) Contract Price		

Spy Run Study Area C-180599-07 - B.O. 16-80
Resolution 323-80 - "Interconnect"

Waynesfield Construction, Inc., Contractor

Item No.	Quantity	Description of Change Description	Unit Price	Change in Contract Price Decrease	Increase
26	120.0 LF	12" Sewer Pipe Replacement	15.50		1,860.00
28	2.0 EA	Std. Manhole, Type I-A	540.00		1,080.00
29	(184.0)LF	6"-10" Sewer Pipe Replacement	11.00	2,024.00	
30	625.0 LF	18" - 21" Sewer Pipe Replacement	20.00		12,500.00
33	453.0 CY	Base Stabilization	12.70		5,753.10
34	(1000.0)LF	2" Water Main Replacement	7.80	7,800.00	
35	(2.0)LF	3/4" Water Service Replacement	190.00	380.00	
			Total Decrease	33,017.05	
			Total Increase		49,265.37
Net ~~(Decrease)~~(Increase)			Contract Price		16,248.32

JUSTIFICATION FOR CHANGE ORDER #3 and FINAL
Spy Run Study Area C-180599-07 B.O. 16-80
Resolution 323-80

Waynesfield Construction, Inc., Contractor

The total number of items addressed in this Change Order are 36, which is the total number of items in this project as per original bid quantities. Percentages of changes per said original quantities were determined and any item with more than 10% change will be addressed with special detail. All the quantities reflected the final as-built quantities.

Items #1, 3, 15 and 35

All these items reflect very small increases from original quantities as per final as-built quantities.

Items 2, 4, 6, 10, 16, 17, 18, 19 and 20

All these items reflect a modest decrease from original quantities as per final and as-built quantities.

Items #5, 7, 8, 9, 12, 13, 14, 24, 27, 31, 32, and 36

All these items reflect no change at all from the original bid quantities.

Items #11, 25, 29, and 34

All were substantially reduced from original quantities and the following is a detailed description of these changes:

Item #11

Careful construction methods and utilizing every possible constraint to limit quantities of special backfill wherever possible generated this savings in #53 and #73 stone, furthermore careful monitoring, and inspection aided in achieving this reduction.

Item #25

The nature of the project required very spotty dewatering as soil conditions varied considerbly from one span to another, therefore continuous lineal dewatering was not feasible to use. Hence, over 66% of this item was not used.

Item #29

Over 30% reduction in this item was possible because most of the field tile encountered and replacement was in the category of 18"- 21" sewer pipe sizes.

Item #34

Careful construction methods along with cooperation between the Water Utility Maintenance Department and the contractor, careful exploration where water lines existed or suspected to be were the reasons behind saving the entire amount of this replacement quantities in the contract, that being 1000 LF of 2" water main replacement.

Items #21 and 22

Sixty-Five (65) tons and 165 tons of HAC 330 #/SY and HAC 220 #/SY respectively were needed to rebuild all the areas destroyed by the construction of the interconnect. The majority of this was directly in the line of construction, but a small amount was as a result of construction traffic and equipment.

Item #23

As we discussed previously in Item #25 the ground conditions were very inconsistent and changed often from good to bad. Since they varied considerably, a good portion of these wet grounds were through park strips and public parks such as Franke Park and Vesey Park.

Wet ground conditions caused wide trenches and expanded the construction area beyond original estimated quantities. As far as seeding and restoration: all these areas had to be reseeded and brought back to the same environmental standards as they were before the project.

Items #26 and 30

As we previously discussed in Item #29 most of the encountered tile that needed replacement was of larger sizes than originally anticipated. Furthermore, a good deal of these quantities encountered did not appear in the original plans as they represent very old but still functioning drainage system that did not appear on any of the records available.

Item #33

As we previously discussed, wet ground conditions in some areas and inconsistent soil conditions that did not allow lineal dewatering systems required considerable base stabilization. Though all monitoring and inspection procedure were followed closely we still encountered this increase in the base stabilization item by maintaining the margin of safety needed to accomplish the job and assuming proper installation of the main line pipe.

PROJECT: SPY RUN INTERCONNECT

ORIGINAL CONTRACT— $1,099,410.00

REVISED CONTRACT— $1,156,654.96

FINAL QUANTITIES

FEDERAL GRANT-C-180

RESOLUTION— 323-80

ITEM	DESCRIPTION	ORIGINAL BID UNITS	UNIT PRICE	C.O. NO.	CHANGE ORDER UNITS +/-	REVISED ESTIMATED QUANTITIES	FINAL QUANTITIES	EXTENSION FINAL CONTRACT
1	48" RCP Class II	3,035± LF	70.00	3	155 LF		3,190 LF	223,300.00
2	48" RCP Class III	2,240± LF	105.00	3	(65)LF		2,175 LF	228,375.00
3	48" RCP Class IV	870± LF	130.00	3	3 LF		873 LF	113,490.00
4	38" x 60" RCP HE III	170± LF	128.00	3	(1)LF		169 LF	21,632.00
5	Std. MH Type II-J (72")	7± EA	3,620.00				7 EA	25,340.00
6	Std. MH Type II-J (84")	7± EA	3,620.00	3	(1)EA		6 EA	21,720.00
7	Std. MH Type II-J (96")	2± EA	3,280.00				2 EA	6,560.00
8	Special Structure SR 1	1± EA	5,400.00				1 EA	5,400.00
9	Special Structure SR 17	1± EA	10,800.00				1 EA	10,800.00
10	Special Backfill	7,300± CY	5.60	3	(301)CY		6,999 CY	39,194.40
11	#53 or #73 Special Backfill	1,000± CY	10.40	3	(490)CY		510 CY	5,304.00
12	Inverted Siphon Complete	1± EA	85,000.00				Lump Sum	85,000.00
12*	Well-Point Removal and Replace	None	5,446.14	1	1 EA	1 EA	Lump Sum	5,446.14
12*	Re-Work Siphon Str.	None	7,748.22	1	1 EA	1 EA	Lump Sum	7,748.22
12*	Additional Well-Point Rental	None	3,400.00	1	1 EA	1 EA	Lump Sum	3,400.00
12	River Weights	None	100.00	1	54 CY	54 CY	54 CY	5,400.00
13	Inverted Siphon 18+40 to 34+95	1± EA	45,000.00				Lump Sum	45,000.00
14	Inverted Siphon 34+25 to 34+95	1± EA	40,500.00				Lump Sum	40,500.00
15	Tunneling (Clinton Street)	165± LF	520.00	3	8 LF		173 LF	89,960.00
16	7" Plain Concrete pavement	2,900± SY	17.60	3	(161)SY		2,739 SY	48,206.40
16*	7" Plain Concrete Pavement	None	17.60	3	237.727SY		237.727SY	4,184.00
17	Concrete Curb Type II-A	1,900± LF	3.25	3	(0.7)LF		1,889.3LF	6,172.72
18	6" Concrete (Driveways)	200± SY	24.00	3	(20.6) SY		179.4 SY	4,305.60
19	4" Concrete (Sidewalks)	4,850± SF	1.60	3	(448.3) SF		4,401.7SF	7,042.72
20	HAC Base 440 #/SYD	300± Tn	25.50	3	(31.8) Tn		268.2 Tn	6,839.10
21	HAC Surface 330 #/SYD	130± Tn	28.50	3	65 Tn		195 Tn	5,557.50

PROJECT: SPY RUN INTERCONNECT
ORIGINAL CONTRACT— $1,099,410.00
REVISED CONTRACT— $1,156,654.96

FINAL QUANTITIES

FEDERAL GRANT-C-180[illegible]
RESOLUTION— 323-80

ITEM	DESCRIPTION	ORIGINAL BID UNITS	UNIT PRICE	C.O. NO.	CHANGE ORDER UNITS +/-	REVISED ESTIMATED QUANTITIES	FINAL QUANTITIES	EXTENSION FINAL CONTRACT
22	HAC Surface 220 #/SYD	65± Tn	31.00	3	165.67 Tn		230.67 Tn	7,150.77
23	Seeding and 1" Mulch	7,500± SY	0.50	3	3,000 SY		10,500 SY	5,250.00
24	Broadcast Seeding	6,400± SY	0.25				6,400 SY	1,600.00
25	Dewatering	900± LF	1.00	3	(600)LF		300 LF	300.00
26	12" Sewer Pipe Replacement	700± LF	15.50	3	120 LF		820 LF	12,710.00
27	Std. Inlet Type III-E	10± EA	440.00				10 EA	4,400.00
28	Std. MH Type I-A	2± EA	540.00	3	2 EA		4 EA	2,160.00
29	6"-10" Sewer Pipe Replacement	600± LF	11.00	3	(184)LF		416 LF	4,576.00
30	18"-21" Sewer Pipe Replacement	75± LF	20.00	3	625 LF		700 LF	14,000.00
31	30" Sewer Pipe Replacement	50± LF	30.00				50 LF	1,500.00
32	Brush and Tree Removal	3± AC	2,000.00				Lump Sum	2,000.00
33	Base Stabilization	150± CY	12.70	1	450 CY	600 CY		
				3	453 CY		1,053 CY	13,373.10
34	2" Water Main Replacement	1,000± LF	7.80		(1,000)LF		0	-0-
35	3/4" Water Service Replacement	25± LF	190.00	3	(2)LF		23 LF	4,370.00
36*	Removal of Pump Station	Lump Sum	4,100.00				Lump Sum	4,100.00
37	Rip Rap	None	14.97	1	163 SY	163 SY	163 SY	2,440.00
38	Embankment	None	1.50	1	100 CY	100 CY	100 CY	150.00
39	Raise Levee @ River	None	1,124.84	1	1 EA		Lump Sum	1,124.84
48*	Cleaning - 48" Concrete Pipe	None	9,572.45	2	1 EA		Lump Sum	9,572.45
	TOTAL							1,156,654.96
	*Non-Grant Eligible Items							

BILL NO. S-83-05-11

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN ORDINANCE approving Change Order No. 3 and FINAL; Resolution 323-80, "Spy Run Interconnect", Project No. C-180599-07, with Waynesfield Construction, Inc., in connection with the Board of Public Works

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE DO PASS.

VICTURE L. SCRUGGS, CHAIRMAN — Victure L Scruggs

SAMUEL J. TALARICO, VICE CHAIRMAN

DONALD J. SCHMIDT — D Schmidt

MARK E. GiaQUINTA — Mark E. GiaQuinta

PAUL M. BURNS

Concurred 5-24-83

A Kennedy

Admn. Appr. _____

DIGEST SHEET

6264

I-83-05-11

TITLE OF ORDINANCE Change Order #3 and FINAL, Res. 323-80, "Spy Run Interconnect"

DEPARTMENT REQUESTING ORDINANCE Board of Public Works

SYNOPSIS OF ORDINANCE This is a close out change order to adjust the estimated quantities in the contract unit price to agree with actual quantities installed under this project. Contractor is Waynesfield Construction, Inc.

EFFECT OF PASSAGE Completion of project.

EFFECT OF NON-PASSAGE

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) Increase $16,248.32

ASSIGNED TO COMMITTEE (PRESIDENT)